

# P **Prunus armeniaca**

## Common Name(s)

Apricot

## How Used

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Chemical Plant Part		Low PPM	High PPM	StdDev	Reference	Citation
0	2-METHYL-BUTYRIC-ACID	Plant	--	--		
3	3,4-DIHYDROXYBENZOIC-ACID	Fruit	--	--		
16	ACETIC-ACID	Essential Oil	--	--		
3	ALANINE	Fruit	680	4980	0.5001282804322874	USDA's Ag Handbook 8 and sequelae)
2	ALPHA-CRYPTOXANTHIN	Fruit	--	--		Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.

Chemical Plant Part		Low PPM	High PPM	StdDev	Reference	Citation
0	ALPHA-ESTRADIOL	Seed	--	--	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.	
23	ALPHA-TERPINEOL	Essential Oil	--	--		
8	AMYGDALIN	Seed	80000	80000	1.2651227331520287	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
1	AMYLASE	Fruit	--	--		
14	ARGININE	Fruit	450	3300	-0.2693413185789777	USDA's Ag Handbook 8 and sequelae)
112	ASCORBIC-ACID	Fruit	100	745	-0.23816714589031257	USDA's Ag Handbook 8 and sequelae)
0	ASH	Seed	10000	30000	-0.537791441673595	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.

Chemical Plant Part		Low PPM	High PPM	StdDev	Reference	Citation
0	ASH	Fruit	7000	105000	1.2516837227858475	USDA's Ag Handbook 8 and sequelae)
3	ASPARTIC-ACID	Fruit	3140	23000	1.6870570762026067	USDA's Ag Handbook 8 and sequelae)
9	BENZYL-ALCOHOL	Fruit	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
53	BETA-CAROTENE	Fruit	13	189	0.21453296561386564	
53	BETA-CAROTENE	Seed	--	--	-0.42930857989782434	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
0	BETA-GLUCOSIDASE	Seed	--	--		Newall, C. A., Anderson, L. A. and Phillipson, J. D. 1996. Herbal Medicine - A Guide for Health-care Professionals. The Pharmaceutical Press, London. 296pp.
47	BETA-SITOSTEROL	Seed	--	--		

Chemical Plant Part			Low PPM	High PPM	StdDev	Reference	Citation
47	BETA-SITOSTEROL	Fruit	160	1300	0.9138041966734828	Spiller, G. A. 1996 (Spiller, G. A. Ed. 1996. CRC Handbook of Lipids in Human Nutrition. CRC Press. Boca Raton, FL. 233 pp.)	
4	BORON	Fruit	1	70	0.6054595930630678	Betting on Boron, Unpublished draft by J. A. Duke on file at USDA, draft and papers relating to boron percentages. Includes Internat. Z. Vit. Ern. Forschung 43:1973 (boron).	
102	CAFFEIC-ACID	Plant	--	--			
28	CALCIUM	Fruit	134	1899	-0.45166414201001837		
28	CALCIUM	Seed	930	1522	-0.4819953355501007	Suzuki, A., Morimoto, I., and Okitsu, T., Elution of Metals from Crude Drugs, Shoykugaku Zasshi 36(3):190-195.	
0	CALCIUM-PECTATE	Fruit	10000	10000	-0.9464458343267658		
2	CAMPESTEROL	Seed	--	--			

Chemical Plant Part		Low PPM	High PPM	StdDev	Reference	Citation
2	CAMPESTEROL	Fruit	10	100	0.18983396788539855	Spiller, G. A. 1996 (Spiller, G. A. Ed. 1996. CRC Handbook of Lipids in Human Nutrition. CRC Press. Boca Raton, FL. 233 pp.)
0	CAPRONIC-ACID	Fruit	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	CARBOHYDRATES	Fruit	111200	873000	0.48190898123765197	USDA's Ag Handbook 8 and sequelae)
0	CARBOHYDRATES	Seed	140000	140000	-1.523718144790433	
1	CATECHINS	Fruit	--	--		Newall, C. A., Anderson, L. A. and Phillipson, J. D. 1996. Herbal Medicine - A Guide for Health-care Professionals. The Pharmaceutical Press, London. 296pp.
77	CHLOROGENIC-ACID	Fruit	--	--		

Chemical Plant Part		Low PPM	High PPM	StdDev	Reference	Citation
1	CHOLESTEROL	Seed	--	--	Newall, C. A., Anderson, L. A. and Phillipson, J. D. 1996. Herbal Medicine - A Guide for Health-care Professionals. The Pharmaceutical Press, London. 296pp.	
0	CIS-EPOXYDIHYDROLINALOL	Plant	--	--		
0	CIS-EPOXYDIHYDROLINALOOL	Plant	--	--		
23	CITRIC-ACID	Fruit	--	--		
12	COPPER	Seed	1	16	0.1075330214211128	
0	CYANIDE	Seed	20	2000	Newall, C. A., Anderson, L. A. and Phillipson, J. D. 1996. Herbal Medicine - A Guide for Health-care Professionals. The Pharmaceutical Press, London. 296pp.	
7	CYANIDIN	Plant	--	--		
2	CYSTINE	Fruit	30	220	-0.8462916858595124	USDA's Ag Handbook 8 and sequelae)

Chemical Plant Part		Low PPM	High PPM	StdDev	Reference	Citation
0	DELTA-24-CHOLESTEROL	Seed	--	--	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.	
0	DELTA-OCTALACTONE	Fruit	--	--	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.	
1	DEXTROSE	Seed	81000	116000	1	
0	EMULSIN	Fruit	--	--	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.	
0	ENT-EPIAFZELECHIN-3-O-P-HYDROXYBENZOATE-(48,207)-EPIAFZELECHIN	Root	--	5	Prasad, D., Joshi, R. K., Pant, G., Rawat, M. S. M., Inoue, K., Shingu, T., 1998. An A-Type Proanthocyanidin from Prunus armeniaca. J. Nat. Prod., 61 (9): 1123-1125.	
0	EO	Seed	8000	16000	-0.3482296375405711	

Chemical Plant Part			Low PPM	High PPM	StdDev	Reference	Citation
12	ESTROGENS		Fruit	--	900		Newall, C. A., Anderson, L. A. and Phillipson, J. D. 1996. Herbal Medicine - A Guide for Health-care Professionals. The Pharmaceutical Press, London. 296pp.
8	ESTRONE		Seed	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	FAT		Fruit	2200	41000	-0.3280973877130875	USDA's Ag Handbook 8 and sequelae)
0	FAT		Seed	400000	514000	1.3095304853919276	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
15	FIBER		Fruit	6000	132000	-0.09131098455647849	USDA's Ag Handbook 8 and sequelae)
15	FIBER		Seed	33000	33000	-0.8036629669867905	

Chemical Plant Part		Low PPM	High PPM	StdDev	Reference	Citation
0	FLAVOXANTHIN	Fruit	--	--		Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
15	FOLACIN	Fruit	0.07	0.7	-0.5504340756407867	USDA's Ag Handbook 8 and sequelae)
8	FRUCTOSE	Fruit	14000	42000	-0.25803537010785266	
0	GAMMA-CAPRALACTONE	Fruit	--	--		
0	GAMMA-CAPROLACTONE	Fruit	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
2	GAMMA-CAROTENE	Fruit	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
3	GAMMA-DECALACTONE	Plant	--	--		
13	GERANIAL	Essential Oil	--	--		

Chemical Plant Part		Low PPM	High PPM	StdDev	Reference	Citation
35	GERANIOL	Essential Oil	--	--		
7	GLUCOSE	Fruit	32000	48000	-0.38566030922181593	
8	GLUTAMIC-ACID	Fruit	1570	11500	-0.13522886191273067	USDA's Ag Handbook 8 and sequelae)
12	GLYCINE	Fruit	400	2930	-0.26095447503067815	USDA's Ag Handbook 8 and sequelae)
0	GLYCOSIDES	Fruit	--	150	-1	
0	GLYCOSIDES	Leaf	29000	36000	1.404944977209334	
9	HCN	Seed	2000	2920	-0.28013580738592153	Newall, C. A., Anderson, L. A. and Phillipson, J. D. 1996. Herbal Medicine - A Guide for Health-care Professionals. The Pharmaceutical Press, London. 296pp.
7	HISTIDINE	Fruit	270	1980	0.18747262732122505	USDA's Ag Handbook 8 and sequelae)
30	HYPEROSIDE	Fruit	--	--		
0	INVERTASE	Fruit	--	--		
12	IODINE	Fruit	0.05	0.05	-0.2904687631626604	

Chemical Plant Part		Low PPM	High PPM	StdDev	Reference	Citation
6	IRON	Seed	42	48	-0.47760825095072074	Suzuki, A., Morimoto, I., and Okitsu, T., Elution of Metals from Crude Drugs, <i>Shoykugaku Zasshi</i> 36(3):190-195.
6	IRON	Fruit	5	79	-0.2141164748349134	
2	ISOBUTYRIC-ACID	Fruit	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
3	ISOLEUCINE	Fruit	410	3000	-0.191561516631753	USDA's Ag Handbook 8 and sequelae)
22	ISOQUERCITRIN	Fruit	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
75	KAEMPFEROL	Leaf	--	--		
75	KAEMPFEROL	Fruit	--	--		
0	KAEMPFEROL-3-O-GALACTOSIDE	Plant	--	--		
0	KAEMPFEROL-3-O-GALACTOSIDE	Fruit	--	--		
0	KAEMPFEROL-3-O-GLUCOSIDE	Plant	--	--		

Chemical Plant Part		Low PPM	High PPM	StdDev	Reference	Citation
0	KAEMPFEROL-3-O-RUTINOSIDE	Leaf	--	--		
0	KILOCALORIES	Fruit	480	3515	-0.22106834715945367	USDA's Ag Handbook 8 and sequelae)
2	LEUCINE	Fruit	770	5640	0.11455315804887445	USDA's Ag Handbook 8 and sequelae)
60	LIMONENE	Essential Oil	--	--		
0	LINALOL	Fruit	--	--		
53	LINALOOL	Fruit	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
27	LINOLEIC-ACID	Fruit	770	5640	-0.27582802584947747	USDA's Ag Handbook 8 and sequelae)
27	LINOLEIC-ACID	Seed	56000	411200	2.6053688076321877	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.

Chemical Plant Part		Low PPM	High PPM	StdDev	Reference	Citation
15	LUTEIN	Fruit	--	--	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.	
16	LYCOPENE	Fruit	--	--	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.	
4	LYSINE	Fruit	970	7105	0.7745283702955714	USDA's Ag Handbook 8 and sequelae)
0	M-INOSITOL	Plant	--	--		
65	MAGNESIUM	Fruit	76	615	-0.7014111637690807	USDA's Ag Handbook 8 and sequelae)
65	MAGNESIUM	Seed	1750	1750	-0.47257280685396186	Suzuki, A., Morimoto, I., and Okitsu, T., Elution of Metals from Crude Drugs, Shoykugaku Zasshi 36(3):190-195.
15	MALIC-ACID	Fruit	7000	22000	0.4805430093828897	
14	MANGANESE	Seed	1	11	-0.5296776809784071	
15	METHIONINE	Fruit	60	440	-0.638521474807996	USDA's Ag Handbook 8 and sequelae)

Chemical Plant Part		Low PPM	High PPM	StdDev	Reference	Citation
13	MUFA	Fruit	170	1245	-0.2358811164316707	USDA's Ag Handbook 8 and sequelae)
22	MYRCENE	Essential Oil	--	--		
2	NEO-CHLOROGENIC-ACID	Fruit	--	--		
2	NEO-CHLOROGENIC-ACID	Seed	--	--	Newall, C. A., Anderson, L. A. and Phillipson, J. D. 1996. Herbal Medicine - A Guide for Health-care Professionals. The Pharmaceutical Press, London. 296pp.	
39	NIACIN	Fruit	6	61	0.004035702508433525	USDA's Ag Handbook 8 and sequelae)
39	NIACIN	Seed	17	17	-0.7748758974183192	
18	OLEIC-ACID	Seed	248000	411200	2.4012052233792365	
18	OLEIC-ACID	Fruit	170	1245	-0.4711495293102127	USDA's Ag Handbook 8 and sequelae)
25	P-COUMARIC-ACID	Plant	--	--		
16	P-CYMENE	Leaf	--	--		
13	PALMITIC-ACID	Fruit	240	1760	-0.3381361322441793	USDA's Ag Handbook 8 and sequelae)

Chemical Plant Part		Low PPM	High PPM	StdDev	Reference	Citation
1	PANGAMIC-ACID	Seed	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
11	PANTOTHENIC-ACID	Fruit	2.4	17.6	-0.03217668277828292	USDA's Ag Handbook 8 and sequelae)
7	PHENYLALANINE	Fruit	520	3810	0.16793014424265534	USDA's Ag Handbook 8 and sequelae)
4	PHOSPHORUS	Fruit	180	2982	-0.07107348620689122	USDA's Ag Handbook 8 and sequelae)
4	PHOSPHORUS	Seed	3000	3000	-0.6218948696821971	
2	PHYTOSTEROLS	Fruit	180	1320	0.4826225434926733	USDA's Ag Handbook 8 and sequelae)
30	POLYPHENOLS	Fruit	--	5000	-1.2373884178745287	
14	POTASSIUM	Seed	4180	7783	-0.42099037622840496	
14	POTASSIUM	Fruit	2824	22565	0.41126901443161773	USDA's Ag Handbook 8 and sequelae)
34	PROANTHOCYANIDINS	Fruit	--	--		Newall, C. A., Anderson, L. A. and Phillipson, J. D. 1996. Herbal Medicine - A Guide for Health-care Professionals. The Pharmaceutical Press, London. 296pp.

Chemical Plant Part		Low PPM	High PPM	StdDev	Reference	Citation
0	PROLINE	Fruit	1010	7400	0.9314338519400758	USDA's Ag Handbook 8 and sequelae)
0	PROTEIN	Fruit	10000	127000	0.2346146816613861	USDA's Ag Handbook 8 and sequelae)
0	PROTEIN	Seed	315000	315000	0.7223510331064014	
4	PUFA	Fruit	770	5640	-0.43576979066822263	USDA's Ag Handbook 8 and sequelae)
176	QUERCETIN	Plant	--	--		
176	QUERCETIN	Fruit	--	--		
0	QUERCITIN	Fruit	--	--		
0	QUERCITIN-3-DIGLUCOSIDE	Fruit	--	--		
0	QUERCITIN-3-GALACTOSIDE	Plant	--	--		
0	QUERCITIN-3-GLUCOSIDE	Plant	--	--		
0	QUERCITIN-3-RHAMNOSIDE	Plant	--	--		
0	QUERCITIN-3-RUTINOSIDE	Plant	--	--		
44	QUERCITRIN	Fruit	--	--		
1	QUINIC-ACID	Fruit	--	--		
15	RIBOFLAVIN	Fruit	0.4	4.4	-0.13049159964877638	USDA's Ag Handbook 8 and sequelae)
15	RIBOFLAVIN	Seed	5.3	5.3	0.6805763273134317	

Chemical Plant Part		Low PPM	High PPM	StdDev	Reference	Citation
1	RUBIXANTHIN	Plant	--	--		Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
87	RUTIN	Leaf	17700	17700	0.09431069830225612	
87	RUTIN	Fruit	--	--		
7	SALICYLATES	Fruit	10	260	0.40879863957308094	
1	SERINE	Fruit	830	6080	0.8603871043309238	USDA's Ag Handbook 8 and sequelae)
0	SFA	Fruit	270	1980	-0.3356686979392271	USDA's Ag Handbook 8 and sequelae)
1	SODIUM	Fruit	10	88	-0.17560584528780673	USDA's Ag Handbook 8 and sequelae)
1	SODIUM	Seed	18	19	-0.6855554642967485	Suzuki, A., Morimoto, I., and Okitsu, T., Elution of Metals from Crude Drugs, Shoykugaku Zasshi 36(3):190-195.
11	SORBITOL	Plant	--	--		

Chemical Plant Part		Low PPM	High PPM	StdDev	Reference	Citation
10	SQUALENE	Seed	200	200	-0.0989573644161303	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
8	STEARIC-ACID	Fruit	30	220	-0.26463148399299935	USDA's Ag Handbook 8 and sequelae)
7	SUCCINIC-ACID	Fruit	--	--		
14	SUCROSE	Fruit	14000	54000	-0.3639418988772142	
35	TANNIN	Fruit	600	1000	-0.9020326843424801	
6	TARTARIC-ACID	Fruit	--	--		
9	TERPINOLENE	Essential Oil	--	--		
31	THIAMIN	Fruit	0.3	2.5	-0.3626018283442436	USDA's Ag Handbook 8 and sequelae)
31	THIAMIN	Seed	1.5	1.5	-1.2129918354928821	
4	THREONINE	Fruit	470	3445	0.17762624953924613	USDA's Ag Handbook 8 and sequelae)
4	TRANS-2-HEXENAL	Essential Oil	--	--		
0	TRANS-EPOXYDIHYDROLINALOL	Fruit	--	--		

Chemical Plant Part		Low PPM	High PPM	StdDev	Reference	Citation
0	TRANS-EPOXYDIHYDROLINALOOL	Fruit	--	--	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.	
29	TRYPTOPHAN	Fruit	150	1100	0.3502346671803925	USDA's Ag Handbook 8 and sequelae)
8	TYROSINE	Fruit	290	2125	-0.12171200983539862	USDA's Ag Handbook 8 and sequelae)
3	VALINE	Fruit	470	3445	-0.20797823150335815	USDA's Ag Handbook 8 and sequelae)
24	VANILLIC-ACID	Fruit	--	--		
0	VIT-B-6	Fruit	0.5	4	-0.7070236337221133	USDA's Ag Handbook 8 and sequelae)
0	WATER	Fruit	963500	963500	0.8388527558568569	USDA's Ag Handbook 8 and sequelae)
3	XYLOSE	Plant	--	--		
77	ZINC	Seed	2	38	-0.20248035050833735	